

Patent Claims

1. A refrigerant circuit with at least one heat receiver and with at least one heat emitter,
5 characterized in that a plurality of functionally identical heat exchangers can be operated simultaneously at a different refrigerant pressure.
2. The refrigerant circuit as claimed in claim 1,
10 characterized in that each refrigerant connection between two heat exchangers operable at a different pressure contains at least one compression element and/or at least one expansion element.
3. The refrigerant circuit as claimed in claim 2,
15 characterized in that at least one compression element and/or at least one expansion element forms with a heat exchanger a structural unit.
4. The refrigerant circuit as claimed in one of the preceding claims, characterized in that a first heat receiver, a second heat receiver and a heat emitter can
20 be operated at three different pressure levels.
5. The refrigerant circuit as claimed in one of the preceding claims, characterized in that a first heat receiver and a heat emitter can be operated at a common or similar pressure level.
6. The refrigerant circuit as claimed in claim 5,
30 characterized in that a compensation element, in which, in particular, the refrigerant can be filtered and/or water can be extracted from the refrigerant, is arranged downstream of the first heat receiver.
7. The refrigerant circuit as claimed in claim 5 or
35 6, characterized in that the first heat receiver is arranged hydraulically between two portions of the heat

emitter.

8. The refrigerant circuit as claimed in claim 7, characterized in that the two portions communicate with
5 one another via a bypass connection, the bypass connection comprising, in particular, a third portion of the heat emitter.

9. The refrigerant circuit as claimed in one of
10 claims 5 to 8, characterized in that the first heat receiver forms, with a portion of the heat emitter, a closed subcircuit, in particular within one pressure level.

15 10. The refrigerant circuit as claimed in claim 9, characterized in that the first heat receiver is arranged so as to be geodetically lower than the heat emitter portion.

20 11. The refrigerant circuit as claimed in claim 9 or 10, characterized in that the first heat receiver communicates with a main circuit via a suck-off element, the suck-off element, in particular, being integratable into a heat emitter.

25 12. The refrigerant circuit as claimed in one of the preceding claims, characterized in that at least one heat receiver forms, with at least one heat emitter, a structural unit.

30 13. The refrigerant circuit as claimed in one of the preceding claims, characterized in that at least one heat receiver can additionally be cooled, in particular by means of air flowing past.

35 14. The refrigerant circuit as claimed in one of the preceding claims, characterized in that heat energy from a secondary circuit, in particular a cooling

circuit, can be received by at least one heat receiver.

15. The refrigerant circuit as claimed in one of the preceding claims, characterized in that a first heat
5 receiver is a cooler for electronic components, and, in particular, a second heat receiver is a cold generator of an air conditioning system.

16. A refrigerating system, in particular an air
10 conditioning system for a motor vehicle, with a refrigerant circuit which is designed as claimed in one of the preceding claims.